BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

MODIFIED SCHEDULE - B

Name of the Work : Improvements to Ramachandrapura and Doddabommasandra Govt School in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	18.58	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above.	cum	1190.96	Rupees One Thousand One Hundred Ninety And Paise Ninety Six Only
2	27.47	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar.	cum	284.34	Rupees Two Hundred Eighty Four And Paise Thirty Four Only
3	99.42	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	220.25	Rupees Two Hundred Twenty And Paise Twenty Five Only
4	15.18	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	5671.61	Rupees Five Thousand Six Hundred Seventy One And Paise Sixty One Only
	18.23	Qty Above 125%		5671.61	Rupees Five Thousand Six Hundred Seventy One And Paise Sixty One Only
5	16.80	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	4879.19	Rupees Four Thousand Eight Hundred Seventy Nine And Paise Nineteen Only

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	ity.	Description	Unit	Rates	
				In Figures	In Words
	7.05	Qty Above 125%		4879.19	Rupees Four Thousand Eight Hundred Seventy Nine And Paise Nineteen Only
6	8.59	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	5832.43	Rupees Five Thousand Eight Hundred Thirty Two And Paise Forty Three Only
7	43.68	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	Cum	6850.92	Rupees Six Thousand Eight Hundred Fifty And Paise Ninety Two Only
8	0.00	Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 8.5 cms.** average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	0.00	Rupees Nil
9	99.42	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications,	Cum	148.00	Rupees One Hundred Forty Eight Only
10	220.72	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm	968.38	Rupees Nine Hundred Sixty Eight And Paise Thirty Eight Only
11	5.24	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500**	Tonne	65316.19	Rupees Sixty Five Thousand Three Hundred Sixteen And Paise Nineteen Only

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	ity.	Description	Unit	Rates	
				In Figures	In Words
12	355.38	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement	Sqm	1053.45	Rupees One Thousand Fifty Three And Paise Forty Five Only
13	63.03	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	254.04	Rupees Two Hundred Fifty Four And Paise Four Only
14	138.30	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	285.50	Rupees Two Hundred Eighty Five And Paise Fifty Only
	19.34	Qty Above 125%		285.50	Rupees Two Hundred Eighty Five And Paise Fifty Only
15	161.40	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	230.73	Rupees Two Hundred Thirty And Paise Seventy Three Only
16	58.84	Flooring with 25mm to 40mm thick polished **tandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, , including cost of materials, labour, curing, polishing complete as per specifications.	Sqm	1306.32	Rupees One Thousand Three Hundred Six And Paise Thirty Two Only
17	0.00	Providing and removing **centering, shuttering, strutting, propping** etc., for **chajjas, corbels** etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	0.00	Rupees Nil
18	80.27	Providing and removing **centering, shuttering, strutting, propping** etc., for **columns, pillars, post and struts**, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	426.51	Rupees Four Hundred Twenty Six And Paise Fifty One Only

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	ity.	Description	Unit	Rates	
				In Figures	In Words
	61.23	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers 16Sqmm	Sqm	447.48	Rupees Four Hundred Forty Seven And Paise Forty Eight Only
20	79.74	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth** including cost of all materials, labour complete as per specifications.	Sqm	298.32	Rupees Two Hundred Ninety Eight And Paise Thirty Two Only
21	3.15	Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m**.	Sqm	2667.20	Rupees Two Thousand Six Hundred Sixty Seven And Paise Twenty Only
	4.41	Qty Above 125%		2667.20	Rupees Two Thousand Six Hundred Sixty Seven And Paise Twenty Only
22	4.74	Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifimixed with	Sqm	4037.40	Rupees Four Thousand Thirty Seven And Paise Forty Only
23	220.66	Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	82.74	Rupees Eighty Two And Paise Seventy Four Only
24	161.40	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.	Sqm	97.89	Rupees Ninety Seven And Paise Eighty Nine Only

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	ity.	Description	Unit	Rates	
				In Figures	In Words
	18.00	Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.	m	463.80	Rupees Four Hundred Sixty Three And Paise Eighty Only
26	3	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch	Point	264.36	Rupees Two Hundred Sixty Four And Paise Thirty Six Only
27	2	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete (1.6.5) 4"x4"x3" (101x101x76mm)	Each	73.37	Rupees Seventy Three And Paise Thirty Seven Only
28	844	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	SqCM	0.27	Rupees And Paise Twenty Seven Only
29	60	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall	Mtr	22.66	Rupees Twenty Two And Paise Sixty Six Only
30	60	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	60.42	Rupees Sixty And Paise Forty Two Only
31	1	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Each	94.95	Rupees Ninety Four And Paise Ninety Five Only
32	1	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.	Each	637.69	Rupees Six Hundred Thirty Seven And Paise Sixty Nine Only
33	15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 1.5 sqmm	Mtr	20.07	Rupees Twenty And Paise Seven Only
34	4	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp.	Each	806.01	Rupees Eight Hundred Six And Paise One Only

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